Sheet 1 c	of I																	
FORM PTO-14 (Rev. 2-32) PA											ATTY. DOCKET NO. SERIAL NO.							
	INFO	NA	/AT	10	N DI	SCI	os	URI	Ε .		APPLICA	NT		ـــنــــ	<del></del> -			
	STA	ΓEΝ	1EN	I T	BY A	\PP	LIC.	AN]	٢		Mu-Lin Si	nen						
											FILING D	ATE		(	ROUP			
											3676							
214.1.411.02									U.S. PA	TENT	NT DOCUMENTS							
EXAMINER INITIAL			_	~~	UMI	- N 1 T			DATE		NA NA E	0			FILING	DATE		
INITIAL					MBI			1.	DATE		NAME	CLASS	SOR	CLASS	IF.			
		Ь	,	3			0	<del>.   -</del>	12/1990		Batt	<del> </del>	<del> </del>		APPROP	RIATE		
9	<del>                                     </del>	$\vdash$	2 3 5 9 8 3 12/1880 2 6 4 5 7 5 9/1882								Simon	<del>  </del>	<del> </del> -	-+	<del></del>			
<del></del>		$\vdash$	5	0			_		11/1893			<del>                                     </del>						
		$\vdash$	5	7	-			_			Carty	<del>  </del>	ļ <u>.</u>			_		
<del>}</del>			6	0	19				1/1897	<del></del>	Churchill	<del>                                     </del>						
	-		_						5/1898	A	nderson et al.	<i>-</i>	<u> </u>					
	6 5 5 6 0 5 8/1900										Churchill	<b>  </b>						
	1 1 4 3 6 1 0 6/1915										Сагт	ļ						
		1	7	7					0/1930	u.	Lowe							
		1	8	9					2/1933		Herst			1				
	ļ	1	8	9			_	_	3/1933		Sullivan			L				
		2	0	5	9	6			1/1936		Brigges			L				
/_		2	4	9					2/1950		Smith et al.							
		2	5	2		$\overline{}$	3 (		1/1950		Smith et al.		$oxed{oxed}$ $I$					
<u> </u>		2									Ravburn	LI						
2 9 9 8 2 7 4 8/1961									3/1961		Russell					•		
									FOREIGN	PATE	NT DOCUMENT	rs			•			
			ı	000	CUM	1EN	Т		DATE	İ	COUNTRY	CLASS	SUBO	CLASS	TRANSL	ATION		
		_		N	UME	BER							""					
h				3		7		3	9/1922		Norway	1		<i>i</i>	YES	NO		
7			5	3		2	7	7	6/1941		nited Kingdom							
5			5	5		5	5	0	8/1943	U	nited Kingdom							
		1	8	0	8	6	3	3	6/1970		Germany							
<i>i</i> -		2	7	2	3	8	8	7	12/1978		Germany	7						
					$\perp$													
					$\prod$							,						
			C	TI	HER	DO	CU	ME	NTS (Inclu	ding A	uthor, Title, Date,	Pertinent Pag	es, Etc.	)				
		╝																
	$\Box$	_																
		$\dashv$																
		$\dashv$									<del></del>	<del>, -</del>						
		-																
EXAMIN	JER	1									DATE CONSID	ERED						
				0	,	_												
				_	<u>^</u> _	~		_				3-3	-0)					
											is in conformance v		). Drav	v line thro	ough citation	ifnot		

Sheet I of I																	
FORM PTO-144 (Rev. 2-32) PA	9 U.S	S. D	EP.	ART	ΓMI DE	EN EM	T O	F C	ON	MERCE ICE		ATTY. DO	CKET NO.	•		ERIAL NO. 732716	
	INFO											APPLICA	NT		<b>!</b>		
	STAT	EM	EN	ТВ	Y	\PI	PLIC	CAI	NT		1	Mu-Lin Sh	nen				ŀ
			_													==	
												FILING D	ATE 	GROUP 3676			
										U.S. PA	TENT	DOCUMENTS	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
EXAMINER INITIAL					UM MB					DATE		NAME	CLASS	SUB	CLASS	FILING D IF APPROPR	
a		3	NUMBER   3 0 8 6 4 1 3/1967								F	Russell et al.	<u>.</u>	1			
A		3	5	5	ō	4	_	ī		2/1970		Neary		$I \cap I$			
		3	7	1	3	3	+-	ΙÌ		/1973		Oliver et al.				-	
<del></del>		3	8	6	9	8	_	Ö		/1975		Neary					
<del></del>		3	$\overline{}$		_		-	_			<del></del>	Taniyauna	1				
												Nolin	<del>                                     </del>	<del></del>	-		
			3 9 1 0 6 1 2 10/1975 3 9 8 5 0 0 8 10/1976									Hart	+ <i>- 1</i>		-+-	-	
		3										Maurits et al.	<del> /-</del>	<del>                                     </del>	<del>-/-</del>		
		3										Urdal	+	<del></del>	-		
		4	_1	2	9	0							<del>  -</del>				
		4	4	1	8	5		2		2/1983		Nolin	<del>                                     </del>		+		
		4	4	2	4	6				/1984		Foshee	+		<del>/                                      </del>	<del></del>	
		4	4	3	5	9		7		/1984	ļ	Best et al.	<del>                                     </del>		<del> </del>	ļ	
		4	4	4	4	0				/1984		Besr et al.	<del>                                     </del>	_		<b></b>	
4		4	7		6	9				/1988	<u> </u>	cGourty et al.	<del>                                     </del>			<del></del>	
4 8 3 8 0 5 3 6/1989									16		<u> </u>	Shen	<u>'</u>			<u> </u>	
										FOREIG	N PAT	ENT DOCUMEN	TS	<del></del>			
					CU UM		ENT ER	•		DATE		COUNTRY	CLASS	s sui	BCLASS	TRANSLA	ATION
		-	Г	Ť	Ť	<u> </u>	Ť		Г	<del> </del>						YES	NO
		_	<u> </u>	t	十	7	寸										
			1	✝	+	7											
<del></del>		<del>                                     </del>	1	T	+	+	ヿ										
		<del>                                     </del>	1	†-	十	7	一		Г	1							
<del>                                     </del>		<del>                                     </del>	1-	T	+	7	一		Г	1							
		一	✝	+-	+	7											
			1	от	HE	R	DO	CU	ME	NTS (Incl	uding .	Author, Title, Date	e, Pertinent	Pages, Et	c.)		
	Γ	Ι.	Π														
		T	Г														
																<u> </u>	
	ļ	<u> </u>	<u> </u>														
	↓		ـــ						<del>.</del>								
	<u> </u>		<u></u>						-			DATE CONSI	DEBED			<del></del>	
EXAMI	EXAMINER DATE CONSIDERED  3-3-05																
				_								<u> </u>	-	_		1 1	
EXAMINER: in conformance	Initia and n	l if ot c	cita cons	tior side	red.	nsi	idere Incl	:d, ude	who	ther or not py of this fo	citatio orm wi	n is in conformance th next communica	e with MPEF ition to appli	- 609. D cant.	raw line th	rougn citatio	n II <b>no</b> l

Sheet I of I																			
FORM PTO-144 (Rev. 2-32) PA	9 U.S	S. D	EP.	AR1	TM DE	EN'	T O	F C	OM FFI	MERCE CE		ATTY. DO	CKET	ΓNO.			RIAL NO. 732716		
•	INFO											APPLICAT	NT						
	STAT	EM	EN	ΤB	Y	APP	LIC	CAN	Τi	•		Mu-Lin Sh	ien						
													1000				POLID	<del></del>	
												FILING DATE					GROUP 3676		
												L				<u> </u>	3.1.		
										U.S. PA	TENT	DOCUMENTS	<b>,</b>						
EXAMINER													· _		CLID	C1 ACC .	FILING DATE		
INITIAL				OC				l		DATE		NAME	0	LASS	208	CLASS	APPROPR	LATE	
			NUMBER   8 6 9 0 8 3 9/1989							1000	Dal	Marseilles et al.	+				AIROIN	17.12	
		4	1 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									nallegan et al.	<del>! -</del>			<i>-</i> /			
7	-	4	8	$\rightarrow$	4	8	3	5			31	Shen	┼			_/			
		4	9	2	1	2	8	9		1990 1990		Toledano	╁─			_/_			
		4	9	5	3	3		3				Lin	+	<del></del>					
		_	4 9 7 9 7 6 7 12/1990								<u></u>	reissler et al.	$\vdash$			<del></del>			
		_	4 9 9 5 2 4 9 2/1991								<u> </u>	Tully	┼		<del></del>	<del>/</del>			
		5 0 1 8 3 7 5 5/1991										Martin	+			<del>/</del>		<del></del>	
	L	$\rightarrow$	5 1 2 1 6 1 9 6/1992								├		+ -		<del></del>				
		5									-	Hung Shen	┼	<del>-   -</del>	<del>                                     </del>				
		5	1				<u>8</u>				-	Florian	+	-+	<del>                                     </del>				
	<u> </u>	5	2	3			5			1993	├	Kim	+	<del></del>	<del>                                     </del>				
· · · · · · · · · · · · · · · · · · ·		5	2	6			2	4	_	1/1993	<del> </del>	Lin	+	+	<del>    -</del>				
<b></b>	ļ	5	2	8		-	7	6		1994	-	Fann et al.	+	<del> </del>	+				
	5 3 0 1 5 2 6 4/1994 5 3 8 5 3 7 4 1/1995											Fann et al.	+	<del> </del>	<del>                                     </del>				
in	L	2	٤	8	] 3	1 3	<u>لــــــــــــــــــــــــــــــــــــ</u>	1.4					TC		<u> </u>		L		
										FOREIG	N PAI	ENT DOCUMEN	13				· · · · · ·		
				DO	CU	ME	NT		ı	DATE		COUNTRY	,	CLASS	SUE	CLASS	TRANSL	ATION	
				N	UN	1BE	R								<u> </u>		VEC	_ NO	
				J	$\perp$	$\perp$		_							<del> </del>		YES	МО	
		_		$\perp$	_ _	_		_	_		—	······································							
		<u> </u>	<u> </u>	4	1	_	4	_	_							·	<del> </del>	<del> </del>	
		$\perp$	Ļ	4	4	_	_	_							┼		<del> </del>	<del> </del>	
		<u> </u>	╄	-	4	4	_		_				$\dashv$		<del> </del>		<del> </del>		
		↓_	╄	4	4	$\perp$	$\dashv$						+		1			<del> </del>	
		Щ.															l	L	
				OT	HE	RI	900	CUI	ME	NTS (Incl	uding .	Author, Title, Date	e, Per	tinent Pa	ges, Et	c.)			
												- Marie -							
		匚	$\Box$																
	<del> </del>	⊢	<b>!</b>																
	<del> </del>	⊢	<b>├</b>							<del></del>			·						
	+	$\vdash$	╂															<del></del>	
	+-	╂	╁																
EXAMI	NER	ــــــــــــــــــــــــــــــــــــــ										DATE CONSI	DER	ED					
]				_	,		_	_						9-	3-05	-			
														•				· 6	
EXAMINER: in conformance	Initia e and r	ıl if ıot c	cita cons	ation side	n co red	nsi . l	dere Incl	id, v ude	whe cop	ther or not by of this f	citatio orm wi	n is in conformance th next communica	e with Ition t	o applican	JY, Di it.	raw line th	rough citation	n II <b>no</b> t	

Sheet 1 o	f 1								_						<del></del>			
FORM PTO-144 (Rev. 2-32) PA	9 U.S	. D	EP/	AR1	CMI	EN EM	T O	F C	ON	MERCE ICE		ATTY. DO	OCKET NO.		SI ن	ERIAL NO. -732716		
(	INFOR										ŀ	APPLICA	NT		<u></u>			
•	STATE										ŀ	Mu-Lin Sh						
	•										Ĺ							
												FILING DATE GROUP 36.76						
										U.S. PA	TENT	DOCUMENTS						
EXAMINER INITIAL			D/	ייי	11.4	EN	iT			DATE		NAME	CLASS	SUB	CLASS	FILING D	OATE	
INITIAL			DOCUMENT NUMBER											·		APPROPR	IATE_	
4							3	1		/1995		Shen	ļ <i>I</i>					
		5	4	4	7	0		7		/1995		Lin	1/		/_			
$\overline{}$		5	5	0	7	ī	6	3	4,	/1996		Juang	<u> </u>	ļ				
		5	5	6	4	2	9	6	10	0/1996	Th	eriault et al.		i				
		5	<del></del>							/1997	ŀ	Cester et al.						
									2.	/1997		Cordle						
										/1997	Ka	tayama et al.			7			
										0/2001		Park		i	T =			
<del></del>										/1997	Н	ensley et al.		1	1		•	
		3	6	9	4	7		9		2/1997		lunez et al.	17-1	İ .				
+-		3	ᆌ	<del>í</del> l	3	2		í		/1998	<del>                                     </del>	Shen	<del>                                     </del>	<del>                                     </del>				
		3	쉵	3	2	5		8		/1998		Kang	<del>                                     </del>	<del>                                     </del>				
<del></del>		3	쉵	5	2	3		9		/1998		Shen	<del>                                     </del>	<del>                                     </del>				
	-		-		1	9	—	6		/1998	K a	itayama et al.	<del>                                     </del>	<del>                                     </del>				
												Shen	<del>                                     </del>	<del>                                     </del>				
· · · · · · · · · · · · · · · · · · ·				_		_				Γ	$\overline{}$							
			ı	_	CU UM		ENT ER			DATE		COUNTRY	SUB	CLASS	TRANSLA	TION		
		$\neg$		T	T	Ť	T				<b>†</b> •					YES	NO	
		╗		T	1	T		$\neg$										
	-	ヿ	_	$\vdash$	T	7	╗										I _	
			_	$\vdash$	†-	7	+											
	$\neg \neg$	_		1	$\top$	+	寸			1				T				
		$\neg$		T	T	$\top$	一				1	· · · · · · · · · · · · · · · · · · ·						
	<b></b> ∵†	$\neg$		T	十	ナ	_											
			(	OTI	HE	RI	000	CU	ИE	NTS (Incl	uding A	uthor, Title, Dat	e, Pertinent Pa	ges, Etc	:.)	<del></del>		
		П		_														
	$\vdash$	_																
	T - 1	寸																
														- <u>-</u>				
		⅃																
	<u>L</u> _I											T DATE CONS	DEBER					
EXAMI	NER					_						DATE CONSI			_			
				_	1	_	_	レ	-				<b>ブ</b> ~	3-0	5			
EVALABLED.	Initial	:5-	ita	ios			dere	d .	who	ther or not	citation	is in conformance	_			ough citation	if not	
in conformance	and no	ot co	ons	ide	red.	1121	Incl	ude	COL	by of this fo	orm with	next communica	tion to applicar	it.				

Sheet 1 of 1																		
FORM PTO-14 (Rev. 2-32) PA												ATTY. DO	CKE	ΓNO.		SI	ERIAL NO. -732716	
	INFO	RM	IAT	101	۱D	ISC	LO	SU	RE			APPLICA	NT					
	STAT											Mu-Lin St	hen					
											·	FILING D	ATE				ROUP	
												FILING D	AIE	3	3676			
										U.S. PA	ATENT	DOCUMENTS					·	
EXAMINER	1 1									0.470		NIANAT	_		C. ID.		FILING DATE	
INITIAL									DATE			NAME	0	LASS	SOR	CLASS	IF APPROPRIATE	
~		5	NUMBER 5 8 1 3 2 6 0 9/1998							1998		Widen	+			1	74 / 10/ 10	
		5	1 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								F	Russell et al.	+		<del> </del>	- / -		
		3	_	4	5	5	2	2		2/1998	-	Shen	1	-+	-	<del>- /-  </del>		
$\overline{}$		5	8	6	8		Ť	8		1999	<del> </del>	Kang	+		<b></b>	<del>-/-</del> -		
		3	8	7	3		7	2		1999	<del>                                     </del>	Thompson	+-	-		_		
					_						<del> </del>	Kang	1			<del>/</del>		
		5 8 8 1 5 8 5 3/1999									<del></del>	Shen ·	+	-		1		
		5 8 8 1 5 8 6 3/1999											┼	<del></del>	<b> </b>	<del>/                                    </del>		
}_		5 9 0 4 2 3 2 5/1999 5 9 2 7 7 7 7 7/1999										Shen	<del> </del>		<b> </b> -,			
		5	9	2	-	7	7	7			<u> </u>	Kuo et al.	┼	<del></del>	<del>                                     </del>	·		
/		5	9	4	1	1	0	8		1999		Shen	┼	+-	<i>\ - \</i>			
		5	9	6	0	6	5	6		0/1999	<u> </u>	Yao	┼	<del></del>				
		5		7	0		6	0		0/1999		Shen	-					
		5	9	8	3	6	8	3		1/1999		Shen	<del> </del>	<b> </b> -	+			
		6 0 1 4 8 7 7 1/2000 Shen											<del>                                     </del>			-		
ω 6 0 1 4 8 7 8 1/2000 Shen											<u> </u>	L						
FOREIGN PATENT DOCUMENTS																		
						ME IBE				DATE		COUNTRY		CLASS	SUB	CLASS	TRANSLA	MOITA
		_	Ī	Ť	Ť	T	Ť	7	$\neg$		1						YES	NO
			Ħ	1	1	$\top$	7	1										
			忊	1	$\top$	T	7											
			1	1		T	$\neg$	$\neg$										
		T	_		+		寸	一	ヿ									
			T	1	$\top$		寸	$\neg$	_									
				1	1.		7	$\neg$										
			(	OT	HE	R D	000	CUN	ИEI	NTS (Inclu	ding A	uthor, Title, Date	e, Peri	inent Pa	ges, Etc	.)		
			Г															
	L	Ш	<u> </u>															
	<u> </u>		<u> </u>															
B1(4) (5)	L	Ш	L									DATE CONSI	DEDE	<u> </u>				
EXAM	NER				<b></b> .							DATE CONSI	DEKE		2 -	_		
					~	~	٩	~						3-	3-05	)		
EXAMINER:	Initia	lifo	cita	tion	CO	nsid	lere	d, v	vhet	her or not	citation	is in conformance	with	MPEP 60	9. Dra	w line thr	ough citation	if not
in conformance	and n	ot c	ons	idei	ca.	11	ncit	ae	cop	y or ruis to	ım wit	h next communicat	HOII LO	applican	L.			

Sheet 1 o	fl				_						<del></del>					**	
FORM PTO-14 (Rev. 2-32) PA												ATTY. DO	CKET NO.	<del></del>		ERIAL NO. > - 73271	
(11011 = 52)	INFC											APPLICA	NT		LC		
	STAT											Mu-Lin Sh					
	01	· ···		• • •	•			· ·				iviu-Lin Sn	en				
												FILING D	ATE	GROUP 3676			
										U.S. PA	TENT	DOCUMENTS					
EXAMINER									Γ				FILING DATE				
INITIAL										DATE		NAME	CLASS	SUB	CLASS	lF	
		NUMBER							<u> </u>							APPROPI	RIATE
		6									Cha	mberlain et al.	ļ	<i>r</i>	- /		
		6	0	4	1	6		0	_	/2000	L	Shen	<u> </u>	Д			
		6	1	0		8		5		/2000	P	elletier et al.					
		6	1	0	9	0	8	0	8.	/2000		Chen et al.					
		6										Aramburu					
		6									(	Chong et al.	7		1		
		6 1 7 0 3 0 5 1/2001									-	Shen	. 1		<b>†</b>		
<del>-                                    </del>		6 1 8 9 3 5 1 2/2001										Eagan et al.					
<del>/</del> .		-	6 2 7 9 3 6 0 8/2001									Shen				· · · · · · · · · · · · · · · · · · ·	
/		6	3		_	4	_	7		0/2001		Shen		$\dashv$			
		6	3	6		5		Ó		/2002		Shen					
		6	3		4	3				/2002	<del> </del>	Shen		+-+			
<del></del>		6	4	1		3		8		/2002	<del> </del>	Shen	<i> </i>	<del>                                      </del>		·	
		_		-	_	6	_	3		/2002		Shen	<del>                                     </del>	<del>-   -   -</del>			
6 4 2 5 6 1 3 7/2002 6 5 3 2 7 7 9 3/2003											<u> </u>	Shen	<del></del>		· · · · · · · · · · · · · · · · · · ·		
		0]	رد				1.	1 -			N PATI	ENT DOCUMENT	<u>Г </u>	/	<del></del>		
<u>-</u>		_									1			<sub>[</sub>			
			1				NT			DATÉ		COUNTRY	CLASS	s sub	CLASS	TRANSLA	NOITA
			<del></del>	, N	<u>UM</u>	BE	<u>R</u>				<u> </u>	·	<del>-  </del>			VEC	1 310
			<u> </u>	╄	+	4					+		<del>. </del>			YES	NO
			<u> </u>	╀		+	4	-		<del></del>							
			_	╀	+	+	4				<b>-</b>		_ <del> </del>				<b> </b>
		Ш	L	↓_	$\perp$	4	-	_									
·		Ш		╀	-	4	4	_			-		<del>                                     </del>				<b> </b>
<u> </u>		Ш	<u> </u>	$\perp$	_	$\bot$	_	_					<u> </u>			ļ	<b> </b> -
				L	ــــــــــــــــــــــــــــــــــــــ		1.	L		<u>.                                    </u>		·	J			<u></u>	L
			_	TC	HE	R I	000	CUN	ИE.	NTS (Inclu	ding A	uthor, Title, Date,	Pertinent	Pages, Etc	.)		
<u>-</u> -		$\sqcup$														·····	
	ļ																
		$\vdash \vdash$														<del></del>	
		$\vdash$				—											
		$\vdash$							_								
		$\vdash$															
EXAMIN	VER	ш.							_			DATE CONSID	DERED		· · · · · · · · · · · · · · · · · · ·		
27.1. 1.111					_			2						-3-05	_	•	
				•		_							-				
												is in conformance			w line thr	ough citation	if not